



#13/18
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,014A

DATE: 05/07/2002
TIME: 09:31:35

Input Set : A:\Cura-221.app
Output Set: N:\CRF3\05072002\I804014A.raw

3 <110> APPLICANT: Li, Li
4 Padigaru, Muralidhara
5 Vernet, Corine
6 Fernandes, Elma
7 Shimkets, Richard
8 Spaderna, Steven
9 Majumder, Kumud
11 <120> TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
13 <130> FILE REFERENCE: 15966-721 US
15 <140> CURRENT APPLICATION NUMBER: 09/804,014A
C--> 16 <141> CURRENT FILING DATE: 2002-04-24
18 <150> PRIOR APPLICATION NUMBER: 60/188,316
19 <151> PRIOR FILING DATE: 2000-03-10
21 <150> PRIOR APPLICATION NUMBER: 60/188,277
22 <151> PRIOR FILING DATE: 2000-03-10
24 <150> PRIOR APPLICATION NUMBER: 60/189,139
25 <151> PRIOR FILING DATE: 2000-03-14
27 <150> PRIOR APPLICATION NUMBER: 60/189,140
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30 <150> PRIOR APPLICATION NUMBER: 60/190,401
31 <151> PRIOR FILING DATE: 2000-03-17
33 <150> PRIOR APPLICATION NUMBER: 60/190,231
34 <151> PRIOR FILING DATE: 2000-03-17
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38 <170> SOFTWARE: PatentIn Ver. 2.1
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42 <212> TYPE: DNA
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48 tgtcctgttt tggatgctat ctaacatctt catgttcaac ccagagaaga aacatcccgc 180
49 cgttgccctg gggccctctc atcccacagc aggtttcgag ccttccccag cctcgggat 240
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57 ggtccctggg gtgggggggc acaggagcaa gcccttccc aggtctgggtc cctgccggca 720
58 tctccacag gccaggactg gccaccaga tggagcccgt gccaggcagc cggcgacaga 780

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93 Arg Arg Pro Pro Pro Arg Ala Ser Thr Lys Thr Gly Ser Gln Pro Ala
94 35 40 45
96 Met Pro Ser Pro Leu Arg Pro Gln Gly Ser Ala Gly Val Leu Pro Glu
97 50 55 60
99 Pro Arg Val Pro Val Gln Lys Pro Gly Ile Asn Ala Ala Ser Pro Ile
100 65 70 75 80
102 Gly Thr Val Arg Val Glu Arg Gly Arg Pro Thr Val Ser Pro Ala Gly
103 85 90 95
105 Arg Gly Ser Pro Arg Gly Gly His Val Gly Gly Leu Thr Ala Pro Ser
106 100 105 110
108 Thr Pro Gly His Ser Asp His Gly Leu His Thr Gln Lys Gln Ser Gly
109 115 120 125
111 Ser His Ala Trp Leu Cys Cys Gln Gln Thr Ala Pro Asn Leu Pro Cys
112 130 135 140
114 Ser Ser Ser Gln Glu Lys Arg Pro Ala Ala Ser Leu Pro Gly Met Val
115 145 150 155 160
117 Gly Pro Leu Arg His Ser Leu Gly Val Gln Ala Thr His Pro His Ser
118 165 170 175
120 Thr Gly Val Arg Gly Ser Val Arg Pro Trp Asp Gly Pro Ala Gly Thr
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126 Ser Gln Ala Cys Val Gly Pro Arg Gly Ala Ala Pro Pro Gly Trp Asp
127      210      215      220
129 Lys Ala Gly Ser Trp Leu Ser Ser Ala Thr Ala Gln Leu Pro Gln Gly
130 225      230      235      240
132 Thr Lys Gly Arg Leu Arg Asp Glu Val Leu Thr His Thr Met Gly Lys
133      245      250      255
135 Pro Arg His Gly Lys Val Gly Gly Gly Ala Ala Arg Leu Ala Pro Arg
136      260      265      270
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153 caggcaccca ttctgtctgt cctgttttgg atgctatcta acatcttcat gttcaaccca 180
154 gagaagtttc atcccgcctg tgccctgggg ccctctcatc ccacagcagg tttcaagcct 240
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156 cacccttgcc caggccatcc gctgcccctc caggcacaga cagaaggcct ctgtccgtgg 360
157 ccagggcact ccattgggaa gaaacaggcc ctgttccctc cctgtcacc acttcaccca 420
158 gctcagctgg cacaataata ctgccaccac accttcaccc tgccatagccc aacctggcag 480
159 ggcctcggag tagcctgccg gctaaaatac ggggtgcccc gataactgtg aatgtcagat 540
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161 tttctgttta tctgaaactc aaatttgcct gggcgtcctg tacttttctt aactaaattt 660
162 ggtgcctcta cacacaaggt ccctgggggtg ggggggcaca ggagcaagcc cttcccagg 720
163 ctgggtccct gccggcatct cccacaggcc aggactggcc acccagatgg agcccgtgcc 780
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177 ggcagccagg ctggcgccaa gatcacaggc aggcaggcct gaaggccgag caatgtagcc 1620
178 actaggaagg catgagttgg ggtcgggggt tccccagccc tagagcccaa agctgccacc 1680
179 actccccacc cccaacatgg gtgggggcag ggagagctct tcttgggacc aatcccaaaa 1740
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183 ctccagcgac ctgggtccac acagggacct ggcaaagctg tagaggctgt gggaggggct 1980
184 gccgctggat ggggtacagg cccgccgccc cttctgagag gacaggggag gcccagagct 2040
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200 Arg Arg Pro Pro Pro Arg Ala Ser Thr Lys Thr Gly Ser Gln Pro Ala
201 35 40 45
203 Met Pro Ser Pro Leu Arg Pro Gln Gly Ser Ala Gly Val Leu Pro Glu
204 50 55 60
206 Pro Arg Val Pro Val Gln Lys Pro Gly Ile Asn Ala Ala Ser Pro Ile
207 65 70 75 80
209 Gly Thr Val Arg Val Glu Arg Gly Arg Pro Thr Val Ser Pro Ala Gly
210 85 90 95
212 Arg Gly Ser Pro Arg Gly Gly His Val Gly Gly Leu Thr Ala Pro Ser
213 100 105 110
215 Thr Pro Gly His Ser Asp His Gly Leu His Thr Gln Lys Gln Ser Gly
216 115 120 125
218 Ser His Ala Trp Leu Cys Cys Gln Gln Thr Ala Pro Asn Leu Pro Cys
219 130 135 140
221 Ser Ser Ser Gln Glu Lys Arg Pro Ala Ala Ser Leu Pro Gly Met Val
222 145 150 155 160
224 Gly Pro Leu Arg His Ser Leu Gly Val Gln Ala Thr His Pro His Ser
225 165 170 175
227 Thr Gly Val Arg Gly Ser Val Arg Pro Trp Asp Gly Pro Ala Gly Thr
228 180 185 190
230 Gly Gly Gln Arg Val Arg Gly Gly Arg Arg Ser Pro Thr Lys Gly Ser
231 195 200 205
233 Ser Gln Ala Cys Val Gly Pro Arg Gly Ala Ala Pro Pro Gly Trp Asp
234 210 215 220
236 Lys Ala Gly Ser Trp Leu Ser Ser Ala Thr Ala Gln Leu Pro Gln Gly
237 225 230 235 240
239 Thr Lys Gly Arg Leu Arg Asp Glu Val Leu Thr His Thr Met Gly Lys
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246 275 280
249 <210> SEQ ID NO: 5
250 <211> LENGTH: 1011
251 <212> TYPE: DNA

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Output Set: N:\CRF3\05072002\I804014A.raw

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257 gaatccagac gccacctcc ccgagcgagc accaagacag gaagccaacc tgcaatgccc 180
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261 ccgagcacac ccggccacag tgaccacgga ctgcacacgc agaagcagtc tggatcccac 420
262 gcgtggctgt gctgccagca gacagcacc aacctcccat gctcctcatc acaggaaaag 480
263 agaccagcag catctctgcc aggcattgtg gggcccctcc gccacagcct aggagtccag 540
264 gccaccacc ctcacagcac tggagtgcgt gggtcagtga ggccctggga cgggcctgcg 600
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266 gcctgtgtgg gggccagggg agctgcacct ccgggatggg acaaggcagg gtcctggctt 720
267 tcatcagcca cagcacagct gccacagggc aaaaaggac ggctgagaga cgaggtcctc 780
268 acccacacca tggggaaacc gaggcattgg aaggttggag ggggggcagc caggctggcg 840
269 ccaagatcac aggcaggcag gcctgaaggc cgagcaatgc agccactagg aaggcatgag 900
270 ttggggtcgg ggtgtcccca gccctagagc ccaaagctgc caccactccc ccccccaac 960
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276 <212> TYPE: PRT
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287 35 40 45
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290 50 55 60
292 Pro Arg Val Pro Val Gln Lys Pro Gly Ile Asn Ala Ala Ser Pro Ile
293 65 70 75 80
295 Gly Thr Val Lys Val Glu Arg Gly Arg Pro Thr Val Ser Pro Ala Gly
296 85 90 95
298 Arg Gly Ser Pro Arg Gly Gly His Val Gly Gly Leu Thr Ala Pro Ser
299 100 105 110
301 Thr Pro Gly His Ser Asp His Gly Leu His Thr Gln Lys Gln Ser Gly
302 115 120 125
304 Ser His Ala Trp Leu Cys Cys Gln Gln Thr Ala Pro Asn Leu Pro Cys
305 130 135 140
307 Ser Ser Ser Gln Glu Lys Arg Pro Ala Ala Ser Leu Pro Gly Met Val
308 145 150 155 160
310 Gly Pro Leu Arg His Ser Leu Gly Val Gln Ala Thr His Pro His Ser
311 165 170 175
313 Thr Gly Val Arg Gly Ser Val Arg Pro Trp Asp Gly Pro Ala Gly Thr
314 180 185 190
316 Gly Gly Gln Arg Val Arg Gly Gly Arg Arg Ser Pro Thr Lys Gly Ser

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:40; Xaa Pos. 20

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/804,014A

DATE: 05/07/2002

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Input Set : A:\Cura-221.app

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L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:2119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:16